

GenCore version 4.5
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OM protein - protein search, using sw model

Run on: September 27, 2001, 16:37:42 : Search time 21.67 Seconds
(without alignments)
302.156 Million cell updates/sec

Title: US-09-483-543A-8
Perfect score: 1693
Sequence: 1 KRGCAGNDESEERSWYGR.....QNPEDFSGCGXGLEVLFIQ 318

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 197339 seqs, 20590346 residues

Total number of hits satisfying chosen parameters: 197339.

Minimum DB seq length: 0
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_AA:*
1: /cgn2_6/prodata/2/iaa/5A_COMB.pep:*
2: /cgn2_6/prodata/2/iaa/5B_COMB.pep:*
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5: /cgn2_6/prodata/2/iaa/PCTUS_COMB.pep:*
6: /cgn2_6/prodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1129	66.7	256	1 US-07-906-349A-8	Sequence 8, App11
2	1129	66.7	256	1 US-08-167-035-4	Sequence 4, App11
3	1129	66.7	256	1 US-08-208-887A-4	Sequence 4, App11
4	1129	66.7	256	2 US-08-539-005-4	Sequence 4, App11
5	807.5	47.7	236	1 US-08-167-035-39	Sequence 39, App1
6	807.5	47.7	236	1 US-08-208-887A-39	Sequence 39, App1
7	807.5	47.7	236	2 US-08-539-005-39	Sequence 39, App1
8	387.5	22.9	107	1 US-08-167-035-25	Sequence 25, App1
9	387.5	22.9	107	1 US-08-208-887A-25	Sequence 25, App1
10	387.5	22.9	107	2 US-08-479-078-24	Sequence 24, App1
11	387.5	22.9	107	2 US-08-539-005-25	Sequence 25, App1
12	348.5	20.6	89	1 US-08-446-038B-23	Sequence 23, App1
13	348.5	20.6	89	1 US-08-446-010B-23	Sequence 23, App1
14	348.5	20.6	89	2 US-08-805-445-23	Sequence 23, App1
15	348.5	20.6	89	2 US-08-064-067D-23	Sequence 23, App1
16	348.5	20.6	89	2 US-09-066-208-23	Sequence 23, App1
17	266	15.7	55	1 US-08-167-035-31	Sequence 31, App1
18	266	15.7	55	1 US-08-208-887A-31	Sequence 31, App1
19	266	15.7	55	2 US-08-539-005-31	Sequence 31, App1
20	257	15.2	50	2 US-08-459-568-57	Sequence 57, App1
21	257	15.2	50	2 US-08-399-411-57	Sequence 57, App1
22	257	15.2	50	3 US-07-906-349A-57	Sequence 57, App1
23	230.5	13.6	801	1 US-08-516-859A-6	Sequence 6, App11
24	224	13.2	217	1 US-08-167-035-6	Sequence 6, App11
25	224	13.2	217	1 US-08-208-887A-6	Sequence 6, App11
26	224	13.2	217	2 US-08-539-005-6	Sequence 6, App11
27	224	13.2	217	2 US-08-815-176-3	Sequence 3, App11

28	224	13.2	217	2	US-08-815-176-4	Sequence 4, App11
29	224	13.2	217	4	US-08-664-962B-6	Sequence 6, App11
30	224	13.2	217	4	US-09-311-743-6	Sequence 6, App11
31	210	12.4	183	1	US-08-167-035-33	Sequence 33, App1
32	210	12.4	183	1	US-08-208-887A-33	Sequence 33, App1
33	210	12.4	183	2	US-08-539-005-33	Sequence 33, App1
34	202	11.9	228	1	US-08-167-035-47	Sequence 47, App1
35	202	11.9	228	1	US-08-208-887A-47	Sequence 47, App1
36	202	11.9	228	2	US-08-539-005-47	Sequence 47, App1
37	202	11.9	228	2	US-08-815-176-5	Sequence 5, App11
38	177	10.5	1290	1	US-08-138-641-2	Sequence 2, App11
39	177	10.5	1290	1	US-08-138-133-2	Sequence 2, App11
40	167	9.9	844	1	US-07-646-537B-2	Sequence 2, App11
41	151.5	8.9	330	2	US-08-815-176-1	Sequence 1, App11
42	149	8.8	464	1	US-08-475-894-4	Sequence 4, App11
43	149	8.8	464	1	US-08-484-710-4	Sequence 4, App11
44	149	8.8	464	2	US-08-484-709-4	Sequence 4, App11
45	149	8.8	464	4	US-08-474-697-4	Sequence 4, App11

ALIGNMENTS

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RESULT 1
US-07-906-349A-8
; Sequence 8, Application US/07906349A
; Patent No. 5434064
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnik, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: A NOVEL EXPRESSION-CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE KINASES
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSER: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/906,349A
; FILING DATE: 30-JUN-1992
; CLASSIFICATION: 435
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: 07/643,237
; FILING DATE: 18-JAN-1991
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-377-3528
; INFORMATION FOR SEQ ID NO: 8:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-07-906-349A-8
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Query Match 66.7% Score 1129; DB 1: Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Qy 65 INSSGPRPPVPPSPAPQPPGVSPSRLRIGDQDFDSLPALEFYKIHLYDTTLLIEPVARS 124
Db 93 INSSGPRPPVPPSPAPQPPGVSPSRLRIGDQDFDSLPALEFYKIHLYDTTLLIEPVARS 152
Qy 125 RQSGSVILLRQEEAEYVRLAFDENGDEEDLPKKGDILIRIDKPEEQWMAEDSEGRKGM 184
Db 153 RQSGSVILLRQEEAEYVRLAFDENGDEEDLPKKGDILIRIDKPEEQWMAEDSEGRKGM 212
Qy 185 IPVPYEKYRPASASVSALIGNQGSHPOPLGSGP 223
Db 213 IPVPYEKYRPASASVSALIGNQGSHPOPLGSGSLGP 251

RESULT 2
US-08-167-035-4
; Sequence 4, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-167-035-4

Query Match 66.7%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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Db 153 RQSGSVILLRQEEAEYVRLAFDENGDEEDLPKKGDILIRIDKPEEQWMAEDSEGRKGM 212
Qy 185 IPVPYEKYRPASASVSALIGNQGSHPOPLGSGP 223
Db 213 IPVPYEKYRPASASVSALIGNQGSHPOPLGSGSLGP 251

RESULT 3
US-08-208-87A-4
; Sequence 4, Application US/0820887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/208,87A
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-208-87A-4

Query Match 66.7%; Score 1129; DB 1; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;
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RESULT 4
US-08-539-005-4
; Sequence 4, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; NUMBER OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 256 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-4

Query Match 66.7%; Score 1129; DB 2; Length 256;
Best Local Similarity 98.2%; Pred. No. 3.1e-94;
Matches 215; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

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DB 33 AGNPFSEERSSSWYGRSLRQEAVALLOGRGVFLYRDSSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQPPGVSFRLRIGDQFDSLPALLFEFYKIHVDTTTLLEPYAR 124
DB 93 INSSGPRPPVPPSPAPQPPGVSFRLRIGDQFDSLPALLFEFYKIHVDTTTLLEPYAR 152
QY 125 RQSGSVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEEQMNAEDSEGRKM 184
DB 153 RQSGSVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEEQMNAEDSEGRKM 212
QY 165 IPVPYVEKRRPASASVSALIGNQGSHPOPLGPEPP 223
DB 213 IPVPYVEKRRPASASVSALIGNQGSHPOPLGPEPP 251

RESULT 5
US-08-167-035-39
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; Sequence 39, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; NUMBER OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-167-035-39

Query Match 47.7%; Score 807.5; DB 1; Length 236;
Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNPFSEERSSSWYGRSLRQEAVALLOGRGVFLYRDSSTSPGDYVLSVSENSRVSHYI 64
DB 33 AGNPFSEERSSSWYGRSLRQEAVALLOGRGVFLYRDSSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGPRPPVPPSPAPQPPGVSFRLRIGDQFDSLPALLFEFYKIHVDTTTLLEPYAR 123
DB 93 VNLGPRAGGRAGGEGPAGLNPTRFLIGDQFDSLPALLFEFYKIHVDTTTLLEPYAR 152
QY 124 RQSGSVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEEQMNAEDSEGRKM 183
DB 153 RQSGSVILRQEAQYVRLDFNGNDEEDLPFKKGDILIRIDKPEEQMNAEDSEGRKM 212
QY 184 MIPVPYVEKRRPASASVSALIG 206
DB 213 MIPVPYVEKRRPASASVSALIG 235

RESULT 6
US-08-208-887A-39
; Sequence 39, Application US/08208887A
; Patent No. 5677421
; GENERAL INFORMATION:
; APPLICANT: Schlessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
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; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 51
; CORRESPONDENCE ADDRESSES:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/208,887A
; FILING DATE: 11-MAR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-063
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-208-887A-39

Query Match          47.7%; Score 807.5; DB 1; Length 236;
-Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNFDSEERSMYWGRSLRQEAVALLOGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYI 64
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DB 33 AGCEDESDSGMYWGRSLRQEAVALLOGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGRRPVPPSPAP-PGCVSPSRRLRGDGFPSLPALLEFYKIHVLDTTTLEPYAR 123
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 93 VNSLPGAGRRAGGEGPAGLNPTRFLIGDQVDFSLPLEFYKIHVLDTTTLEPYAR 152
QY 124 SRGSGVILRQEAERYRALPDFNGNDEEDLPFKKGDLIRIDRKEQOMWNAEDSEGRG 183
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 153 SRONGSVILRQEAERYRALPDFNGNDDGLPFKKGDLIRIDRKEQOMWNAEDMDGRG 212
QY 184 MIPVPYVEKYPASASVSLTGG 206
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DB 213 MIPVPYVEKCRPSASVSTLTGG 235

RESULT 7
US-08-539-005-39
; Sequence 39, Application US/08539005
; Patent No. 5658686
; GENERAL INFORMATION:
; APPLICANT: Schlössinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
```

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; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539,005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 236 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-39

Query Match          47.7%; Score 807.5; DB 2; Length 236;
-Best Local Similarity 76.4%; Pred. No. 2.7e-65;
Matches 155; Conservative 17; Mismatches 30; Indels 1; Gaps 1;

QY 5 AGNFDSEERSMYWGRSLRQEAVALLOGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYI 64
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 33 AGCEDESDSGMYWGRSLRQEAVALLOGRHGVFLVRDSSSTSPGDYVLSVSENSRVSHYI 92
QY 65 INSSGRRPVPPSPAP-PGCVSPSRRLRGDGFPSLPALLEFYKIHVLDTTTLEPYAR 123
    :|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 93 VNSLPGAGRRAGGEGPAGLNPTRFLIGDQVDFSLPLEFYKIHVLDTTTLEPYAR 152
QY 124 SRGSGVILRQEAERYRALPDFNGNDEEDLPFKKGDLIRIDRKEQOMWNAEDSEGRG 183
    |||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
DB 153 SRONGSVILRQEAERYRALPDFNGNDDGLPFKKGDLIRIDRKEQOMWNAEDMDGRG 212
QY 184 MIPVPYVEKYPASASVSLTGG 206
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DB 213 MIPVPYVEKCRPSASVSTLTGG 235

RESULT 8
US-08-167-035-25
; Sequence 25, Application US/08167035
; Patent No. 5618691
; GENERAL INFORMATION:
; APPLICANT: Schlössinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESS: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/167,035
FILING DATE: 16-DEC-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-062
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-167-035-25
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Query Match          22.9%; Score 387.5; DB 1; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
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QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
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Db 1 WYWGRLSRGDAVSLLOGQRHGTFLVRDSGTFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60
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QY 76 PSPAP-PPGVSPSRRLIGDQFDSLALPEFYKIHVLTDTTLIEPV 121
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Db 61 AGGEGPAPGLNPTRELIGDNVDSLPLSEFYKIHVLTDTTLIEPV 107
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RESULT 9
US-08-208-887A-25
Sequence 25, Application US/08208887A
Patent No. 5677421
GENERAL INFORMATION:
APPLICANT: Schliesinger, Joseph
APPLICANT: Margolis, Benjamin L.
TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
TITLE OF INVENTION: KINASES AND NOVEL TARGET PROTEINS
NUMBER OF SEQUENCES: 51
CORRESPONDENCE ADDRESS:
ADDRESS: PENNIE & EDMONDS
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: 10036-2711
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/208,887A
FILING DATE: 11-MAR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Coruzzi, Laura A.
REGISTRATION NUMBER: 30,742
REFERENCE/DOCKET NUMBER: 7683-063
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
```

```
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-208-887A-25
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```
Query Match          22.9%; Score 387.5; DB 1; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
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QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
      |||||:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|
Db 1 WYWGRLSRGDAVSLLOGQRHGTFLVRDSGTFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60
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```
QY 76 PSPAP-PPGVSPSRRLIGDQFDSLALPEFYKIHVLTDTTLIEPV 121
      |:::|:| || ||||:|||||:|||||:|||||:|||||:|||||
Db 61 AGGEGPAPGLNPTRELIGDNVDSLPLSEFYKIHVLTDTTLIEPV 107
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RESULT 10
US-08-479-078-24
Sequence 24, Application US/08479078
Patent No. 5814466
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GENERAL INFORMATION:
APPLICANT: Pawsan, Anthony
TITLE OF INVENTION: Method for Assaying for a Substance that
TITLE OF INVENTION: Affects an SH2-Phosphorylated Ligand Regulatory System
NUMBER OF SEQUENCES: 27
CORRESPONDENCE ADDRESS:
ADDRESS: Bereskin & Parr
STREET: 40 King Street, West
CITY: Toronto
STATE: Ontario
COUNTRY: Canada
ZIP: M5H 3Y2
```

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/479,078
FILING DATE: June 6, 1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Linda M. Kurdzyk
REGISTRATION NUMBER: 34,971
REFERENCE/DOCKET NUMBER: 3153-154
TELECOMMUNICATION INFORMATION:
TELEPHONE: (416) 364-7311
TELEFAX: (416) 361-1398
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INFORMATION FOR SEQ ID NO: 24:
SEQUENCE CHARACTERISTICS:
LENGTH: 107 amino acids
TYPE: amino acid
STRANDEDNESS: not relevant
TOPOLOGY: not relevant
MOLECULE TYPE: peptide
US-08-479-078-24
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Query Match          22.9%; Score 387.5; DB 2; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;
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QY 16 WYWGRLSROEAVALLQGRHGVLVRSSTSPGDYVLSVSENSRVSHYIINSSGPRPPVP 75
      |||||:|:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|
Db 1 WYWGRLSRGDAVSLLOGQRHGTFLVRDSGTFGDFVLSVSESSRVSHYIIVNSLGPAGRR 60
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QY 76 PSPAOP-PCGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121
DB 61 AGGEGFAGLNPTRFLIGDNVFDLSPLLEFYKIHVLDTTLLIEPV 107

RESULT 11
US-08-539-005-25

; Sequence 25, Application US/08539005
; Patent No. 5858686
; GENERAL INFORMATION:
; APPLICANT: Schllessinger, Joseph
; APPLICANT: Skolnick, Edward Y.
; APPLICANT: Margolis, Benjamin L.
; TITLE OF INVENTION: NOVEL EXPRESSION CLONING METHOD FOR
; TITLE OF INVENTION: IDENTIFYING TARGET PROTEINS FOR EUKARYOTIC TYROSINE
; NUMBER OF SEQUENCES: 50
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PENNIE & EDMONDS
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: 10036-2711
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; OPERATING SYSTEM: IBM PC compatible
; SOFTWARE: patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/539, 005
; FILING DATE: 4-OCT-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/167,035
; FILING DATE: 16-DEC-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Coruzzi, Laura A.
; REGISTRATION NUMBER: 30,742
; REFERENCE/DOCKET NUMBER: 7683-062
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; INFORMATION FOR SEQ ID NO: 25:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 107 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; US-08-539-005-25

Query Match 22.9%; Score 387.5; DB 2; Length 107;
Best Local Similarity 71.0%; Pred. No. 6.4e-28;
Matches 76; Conservative 10; Mismatches 20; Indels 1; Gaps 1;

QY 16 WYWGRLSROEAVALLQGGHGFVLRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 75
DB 1 WYWGRLSRGDAVSLQGGHGFVLRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 60
QY 76 PSPAOP-PCGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121
DB 61 AGGEGFAGLNPTRFLIGDNVFDLSPLLEFYKIHVLDTTLLIEPV 107

RESULT 12
US-08-446-038B-23
; Sequence 23, Application US/08446038B
; Patent No. 5658791
; GENERAL INFORMATION:

; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5658791el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York
; COUNTRY: USA
; ZIP: 10022

; COMPUTER READABLE FORM:
; MEDIUM TYPE: diskette, 3.5 inch, 360 kb storage
; COMPUTER: IBM PS/2
; OPERATING SYSTEM: PC-DOS
; SOFTWARE: Wordperfect
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/446,038B
; FILING DATE: 19-MAY-1995
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/064,067
; FILING DATE: 30-Jun-1993
; APPLICATION NUMBER: PCT/US91/08889
; FILING DATE: 26-No. 5658791-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian PK3594/90
; FILING DATE: 28-No. 5658791-1990
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: Australian 88229/91
; FILING DATE: 27-No. 5658791-1991
; ATTORNEY/AGENT INFORMATION:
; NAME: Hanson, No. 5658791man D.
; REGISTRATION NUMBER: 30,946
; REFERENCE/DOCKET NUMBER: LUD 5244
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 212-688-9200
; TELEFAX: 212-838-3884
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 89 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; US-08-446-038B-23

Query Match 20.6%; Score 348.5; DB 1; Length 89;
Best Local Similarity 66.0%; Pred. No. 1.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 1;

QY 16 WYWGRLSROEAVALLQGGHGFVLRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 75
DB 1 WYWGRLSRGDAVSLQGGHGFVLRDSTSPGDVYLSVSENSRSHYIINSSGRRPVP 54
QY 76 PSPAOP-PCGVSPSRRLIGDQFEDSLPALLEFYKIHVLDTTLLIEPV 121
DB 55 -----PAGGRAGGEFDSLPLLEFYKIHVLDTTLLIEPV 89

RESULT 13
US-08-446-010B-23
; Sequence 23, Application US/08446010B
; Patent No. 5716818
; GENERAL INFORMATION:
; APPLICANT: Wilks, Andrew F.; Ziemiecki, Andrew;
; APPLICANT: Harpur, Ailsa
; TITLE OF INVENTION: No. 5716818el Protein Tyrosine Kinase
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Felfe & Lynch
; STREET: 805 Third Avenue
; CITY: New York City
; STATE: New York


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1      FILING DATE: 26-NO. 5852184-1991
2      PRIOR APPLICATION DATA:
3      APPLICATION NUMBER: Australian PK3594/90
4      FILING DATE: 28-NO. 5852184-1990
5      PRIOR APPLICATION DATA:
6      APPLICATION NUMBER: Australian 88225/91
7      FILING DATE: 27-NO. 5852184-1991
8      ATTORNEY/AGENT INFORMATION:
9      NAME: Hanson, M. 5852184man D.
10     REGISTRATION NUMBER: 30,946
11     REFERENCE/DOCKET NUMBER: LUD 5244
12     TELECOMMUNICATION INFORMATION:
13     TELEPHONE: 212-688-9200
14     TELEFAX: 212-838-3884
15     INFORMATION FOR SEQ ID NO: 23:
16     SEQUENCE CHARACTERISTICS:
17         LENGTH: 89 amino acids
18         TYPE: amino acid
19         TOPOLOGY: linear
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Query Match:          20.6%; Score 348.5; DB 2, Length 89;
Best Local Similarity 66.0%; Pred. No. 1.6e-24;
Matches 70; Conservative 8; Mismatches 11; Indels 17; Gaps 14;

QY 16 WYMKRLSRQEAVALLOGRHGVFLVRDSDSTSGDGVLSVSNRSVHYIIINSGPRPVP 75
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Db 1 WYMKRLSRQEAVALLOGRHGVFLVRDSDSTSGDGVLSVSNRSVHYIIINSG 54
      ||||| :||:||||| ||||| : ||:||||:|||||:| ||

QY 76 PSPAQPPGVSPRLRIGDQEDFSLPALLEFKYKHIVLDTTFLPEV 121
      | : | |||||:|||||:|||||:|||||:| ||
Db 55 -----PAGGRAGGEFDSLPSLEFKYKHIVLDTTFLPEV 89

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Search completed: September 27, 2001, 16:41:50
Job time: 248 sec